

इंटरनेट

मानक

Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS/ISO 10474 (1991): STEEL AND STEEL PRODUCTS — INSPECTION DOCUMENTS [MTD 4: Wrought Steel Products]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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IS/ISO 10474 :1991

भारतीय मानक

इस्पात एवं इस्पात के उत्पाद — निरीक्षण दस्तावेज

Indian Standard

STEEL AND STEEL PRODUCTS — INSPECTION
DOCUMENTS

ICS 77.140.01

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BUREAU OF INDIAN STANDARDS
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Price Group 3

NATIONAL FOREWORD

This Indian Standard which is identical with ISO 10474 : 1991 'Steel and steel products — Inspection documents' issued by the International Organization for Standardization (ISO) was adopted by the Bureau of Indian Standards on the recommendation of the Wrought Steel Products Sectional Committee and approval of the Metallurgical Engineering Division Council.

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain terminology and conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.
- b) Comma (,) has been used as a decimal marker in the International Standard while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards which are to be substituted in their respective places are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 404 : 1992 Steel and steel products — General technical delivery requirements	IS 8910 : 2009 General technical delivery requirements for steel and steel products (<i>first revision</i>)	Identical
ISO 4990 : 1986 Steel castings — General technical delivery requirements	IS 8800 : 1997 Technical delivery conditions for steel castings (excluding investment castings) (<i>third revision</i>)	Technically Equivalent

In reporting the results of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'.

Indian Standard

STEEL AND STEEL PRODUCTS — INSPECTION DOCUMENTS

Section 1: General

1.1 Scope

This International Standard defines the different types of inspection documents supplied to the purchaser, in accordance with the requirements of the order, for the delivery of iron and steel products.

However, if agreed in the order, it may also apply to other products.

This International Standard is to be used in conjunction with other International Standards which specify the general technical delivery conditions:

- for steel and steel products, see ISO 404;
- for steel castings, see ISO 4990.

1.2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 404:1992, *Steel and steel products — General technical delivery requirements*.

ISO 4990:1986, *Steel castings — General technical delivery requirements*.

1.3 Definitions

For the purposes of this International Standard, the following definitions apply.

1.3.1 non-specific inspection and testing: Inspection and testing carried out by the manufacturer in accordance with his own procedures, to assess whether products made by the same manufacturing process meet the requirements of the order. The products inspected and tested may not necessarily be the products actually supplied.

[ISO 404:1992, 3.4]

1.3.2 specific inspection and testing: Inspection and testing carried out, before delivery, according to the technical requirements of the order, on the products to be supplied or on test units of which the product supplied is part, in order to verify whether these products comply with the requirements of the order.

[ISO 404:1992, 3.5]

NOTE 1 Current discussions indicate that the term "inspection and testing" will be replaced by "inspection".

Section 2: Documents drawn up from inspection and tests carried out by personnel authorized by the manufacturer and who may be involved in the manufacturing department

2.1 Certificate of compliance with the order "2.1"

A document in which the manufacturer certifies that the products supplied comply with the requirements of the order, without mention of any test results.

The certificate of compliance with the order "2.1" is a document drawn up on the basis of non-specific inspection and testing.

2.2 Test report "2.2"

A document in which the manufacturer certifies that the products supplied comply with the requirements of the order, and in which he supplies test results based on non-specific inspection and testing.

2.3 Specific test report "2.3"

A document in which the manufacturer certifies that the products supplied comply with the specifications of the order, and in which he supplies test results based on specific inspection and testing,

The specific test report "2.3" is only used by a manufacturer who does not have an authorized quality control department which is independent of the manufacturing departments.

If the manufacturer uses an authorized quality control department which is independent of the manufacturing department, he shall supply a 3.1.B certificate (see 3.1) instead of a 2.3 certificate.

Section 3: Documents drawn up from inspection and tests carried out or supervised by authorized personnel independent of the manufacturing department and based on specific testing

3.1 Inspection certificate

A document issued on the basis of inspection and tests carried out in accordance with the technical specifications of the order or of official regulations and the corresponding technical rules. The tests shall be carried out on the products supplied or those in the inspection unit of which the consignment constitutes a part.

The inspection unit is set by the product standard, the official regulations and corresponding technical rules or by the order.

There are three different types as follows.

- Inspection certificate "3.1.A" is issued and validated by an inspector designated in the official regulations, in accordance with these and the corresponding technical rules.

- Inspection certificate "3.1.B" is issued by the department independent of the manufacturing department and is validated by an authorized representative of the staff independent of the manufacturing department.
- Inspection certificate "3.1.C" is issued and validated by an authorized representative of the purchaser, in accordance with the specifications of the order.

3.2 Inspection report

Where the inspection certificate is validated, following a special agreement, both by the manufacturer's authorized representative and the purchaser's authorized representative, it is known as inspection report "3.2".

Section 4: Inspection documents to be supplied by a processor or an intermediary

When a product is supplied by a processor or an intermediary, they shall submit to the purchaser, without any modifications, the manufacturer's documentation as described in this International Standard. This documentation shall include suitable means of identification of the product, in order to ensure the traceability between the product and the documentation (see ISO 404:1992, clause 12).

If the processor or intermediary has changed the state or dimensions of the product in any way, he shall supply an additional document of compliance for these new conditions. This shall also apply to all Special requirements not included in the manufacturer's documentation.

Section 5: Validation of inspection documents

The inspection documents shall be signed or marked in an appropriate way by the person(s) responsible for the validation of documents.

However, if the certificates are prepared by a suitable data-processing system, the signature may be replaced by an indication of the name and position of the person responsible for validating the document.

Section 6: Summary of documents

A summary of documents covered by this International Standard is given in table 1.

Table 1 — Summary of inspection documents

Standard designation (subclause number)	Document	Type of control	Contents of document	Delivery conditions	Document signed by
2.1	Certificate of compliance with the order	Non-specific	Without mention of test results	In accordance with the requirements of the order, and if required, also in accordance with official regulations and the corresponding technical rules	The manufacturer
2.2	Test report		With mention of test results based on non-specific inspection and testing		
2.3	Specific test report	Specific	With mention of test results based on specific inspection and testing		
3.1.A	Inspection certificate 3.1.A			In accordance with official regulations and the corresponding technical rules	The inspector designated in the official regulations
3.1.B	Inspection certificate 3.1.B			In accordance with the specifications of the order, and if required, also in accordance with official regulations and the corresponding technical rules	The manufacturer's authorized representative independent of the manufacturing department
3.1.C	Inspection certificate 3.1.C			in accordance with the "specifications of the order"	The purchaser's authorized representative
3.2	Inspection report 3.2				The manufacturer's authorized representative independent of the manufacturing department, and the purchaser's authorized representative

Bureau of Indian Standards

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Amendments are issued to standards as the need arises on the basis of comments. Standards are also reviewed periodically; a standard alongwith amendments is reaffirmed when such review indicates that no changes are needed; if the review indicates that changes are needed, it is taken up for revision. Users of Indian Standards should ascertain that they are in possession of the latest amendments or edition by referring to the latest issue of 'BIS Catalogue' and 'Standards: Monthly Additions'.

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Amendments Issued Since Publication

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